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S1	0	PC7/JP98/03246.pct.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/12 14:37
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S5	2	"06243013"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/12 16:07
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S14	6	S6 and S13	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/12 16:16
S15	20	S9 and S13	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/12 16:16
S16	13431	web with server with database	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/14 08:35
S17	1921	(707/8,203).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/14 08:36
S18	533	(717/122,168).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/14 08:36
S19	2408	S17 S18	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/14 08:36
S20	82	S16 and S19	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/14 08:36

Terms used **client server update coherency valid date** Found **35,925** of **153,034**

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1 Transactional client-server cache consistency: alternatives and performance

Michael J. Franklin, Michael J. Carey, Miron Livny

September 1997 **ACM Transactions on Database Systems (TODS)**, Volume 22 Issue 3

Full text available: pdf(452.41 KB) Additional Information: full citation, abstract, references, citings, index terms, review

Client-server database systems based on a data shipping model can exploit client memory resources by caching copies of data items across transaction boundaries. Caching reduces the need to obtain data from servers or other sites on the network. In order to ensure that such caching does not result in the violation of transaction semantics, a transactional cache consistency maintenance algorithm is required. Many such algorithms have been proposed in the literature and, as all provide the sam ...

2 Highly concurrent cache consistency for indices in client-server database systems

Markos Zaharioudakis, Michael J. Carey

June 1997 **ACM SIGMOD Record , Proceedings of the 1997 ACM SIGMOD international conference on Management of data**, Volume 26 Issue 2

Full text available: pdf(1.81 MB) Additional Information: full citation, abstract, references, citings, index terms

In this paper, we present four approaches to providing highly concurrent B+-tree indices in the context of a data-shipping, client-server OODBMS architecture. The first performs all index operations at the server, while the other approaches support varying degrees of client caching and usage of index pages. We have implemented the four approaches, as well as the 2PL approach, in the context of the SHORE OODB system at Wisconsin, and we present experimen ...

3 Improving end-to-end performance of the Web using server volumes and proxy filters

Edith Cohen, Balachander Krishnamurthy, Jennifer Rexford

October 1998 **ACM SIGCOMM Computer Communication Review , Proceedings of the ACM SIGCOMM '98 conference on Applications, technologies, architectures, and protocols for computer communication**, Volume 28 Issue 4

Full text available: pdf(1.79 MB) Additional Information: full citation, abstract, references, citings, index terms

The rapid growth of the World Wide Web has caused serious performance degradation on the Internet. This paper offers an end-to-end approach to improving Web performance by collectively examining the Web components --- clients, proxies, servers, and the network. Our goal is to reduce user-perceived latency and the number of TCP connections, improve